USER'S MANUAL

USB 2.0

MULTI Card Reader

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Introduction：

The 3.5”front panel multi Card Reader /Writer can support the SD/MMC/ MS(MS-PRO)/CF/MD/SM Memory Cards. The Universal Serial Bus (USB) interfaced peripherals to your computers. The USB complies with USB Specification Rer.2.0.

Features：

USB

- Support USB 2.0./1.1 interface.
- Flash Card support: SD/MMC/SM/CFI/CFII/MD/MS/MS Pro.
- Allows data exchange in different sockets.
- External box design for BOX type to desktop computer user.
- Internal box design for FDD type to desktop computer user.
- Support USB High-Speed(480Mvps) or Full-speed(12Mbps)Model.
- Active LED indicators of power and busy(read/write)equipped.
- OS supports Windows 98SE/2000/ME/XP and Mac OS 9.X/10.X.
- Support Mass Storage Class Drive;no additional device driver needed under Windows ME/XP and Mac OS 10.1.2.
- Supports Hot-Swapping
- USB transfer rate:High-Speed 480MB/Sec or Full- Speed at 12MB/sec
- Card Data transfer rate:700~4000Kb/s Max

Specification：

Interface	✧ Universal Serial Bus (USB) Revision 2.0 device.
Function	✧ Supports 8 ~ 256MB Secure Digital (SD) Card. ✧ Supports 8 ~ 128MB Multi Media Card (MMC) Card. ✧ Supports 4 ~ 128 Memory Stick (MS) Card (SUPPORT MS-PRO) ✧ Supports 4 ~ 512MB Compact Flash (CFI /CFII). Card. ✧ Supports 340MB/1GB IBM Microdrive (MD)Type. ✧ Supports 4 ~ 128MB Smart Media (SM) Card. ✧ Supports Hot-Swapping
Connector	✧ One CF/MD socket. ✧ One SD/MMC socket. ✧ One MS socket. ✧ One SM socket.
Cable	✧ One USB cable (A type male). ✧ One Extension USB cable (A female to A male type)
Transfer Rate	✧ USB transfer rate: High-Speed 480Mbps ✧ Data read/write speed: 700K to 4000 KBytes/sec Max.
LED	✧ Power LED ✧ Active LED
Power	✧ DC +5.0V from USB cable directly.
Enclosure	✧ Plastics.
EMI	✧ CE & FCC.

Requirements：

- ✧ IBM PC/AT Compatible or Apple iMac.
- ✧ USB 2.0 Host card or USB 2.0 HUB device.(compatible with usb1.1)
- ✧ Windows 98SE, Windows ME, 2000 or Windows XP operating system.

Packing contents：

Please make sure that this package includes the following items.

Item	Quantity
USB 2.0 multi Card Reader/Writer BOX	One
Software CD Driver (include User's Manual)	One
USB CONNECTION CABLE :option *USB B type to 4PIN JUMP cable (for internal connection) *USB A type to B type cable (for external connection)	Option

Chapter 1

Hardware Installation：

INSTALLATION NOTICE:

***Please install the software first and restart pc, then plug in your card reader for using it.

Active LED：Device connected and inactive LED.
Power LED：Power LED.
USB Cable：The interface connects to the USB port of the computer.

Name Card Small Size (slot view)

1. CF/MD Reader/Writer
2. SM Reader/Writer
3. MS Card Reader/Writer
4. SD/MMC Reader/Writer

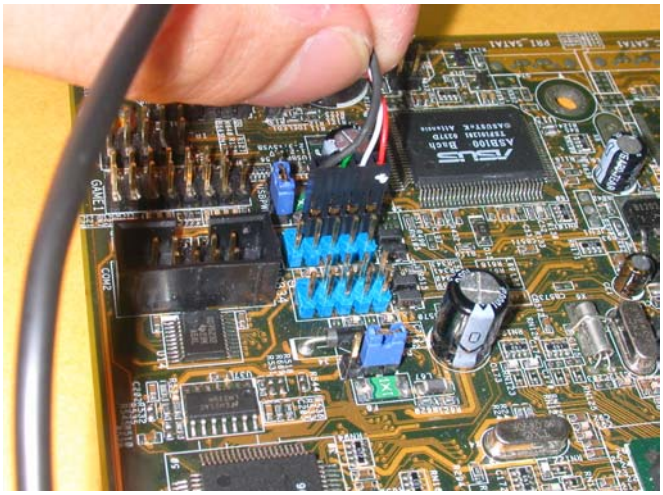
3.5” Floppy type Panel card reader

1. Compact Flash (CF) and IBM Microdrive (MD) Card Reader/Writer Socket.
2. Smart Media (SM) Card Reader/Writer Socket.
3. Memory Stick (MS) Card Reader/Writer Socket.
4. Secure Digital (SD) and Multi Media Card (MMC) Card Reader/Writer Socket.

Simple Hardware Installation (For 3.5”floppy type box) :optional for internal & exrternal box

(1)For internal connection (link to mainboard usb jump):

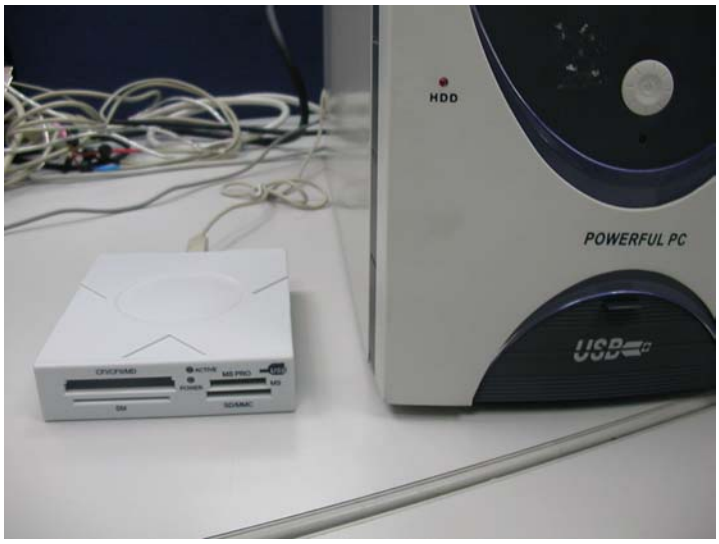
1. Please turn off your PC power.
2. Please open PC case & insert the card reader box in 3.5” floppy type slot.
3. Please fix & lock the 4 Screws on the 3.5”Floppy type slot of PC case.
4. Please connect the USB cable from panel card reader to mainboard USB jump as below view (Warning:Please notice the red line is first Pin & serach the USB jump on mainboard & insert first USB pin jump on your mainboard correctly) PS. DC IN doesn’t need to connect for it



5. Please close your PC case and turn on power
6. It is final and start to use card reader. (If it doesn’t work well, please check all driver & hardware installation.)

(2) For external box connection:

1. Please use USB A to B cable to connect (from card reader box to PC USB downstream ports or USB2.0/1.1 USB hub downstream ports)



Chapter 2

Software Installation：

Supported OS

Windows 98SE, Windows ME, Windows 2000, Windows XP (Windows ME and Windows XP works without driver) and Mac 8.6, 9.x; 10.1/10.2 (MAC 10.1/10.2 works without driver) are supported. The drivers supplied with this

distribution are for Windows 98SE and 2000 only. And Windows Me and XP+SP1 support for color Icon if you necessary.

You have installing the driver using the "SMSC210223 Win98SE and Win2K Driver Installation SMSC210223.exe" installation utility, or manually installing with the files included in the "Windows 98SE" or "Windows 2000" folders.

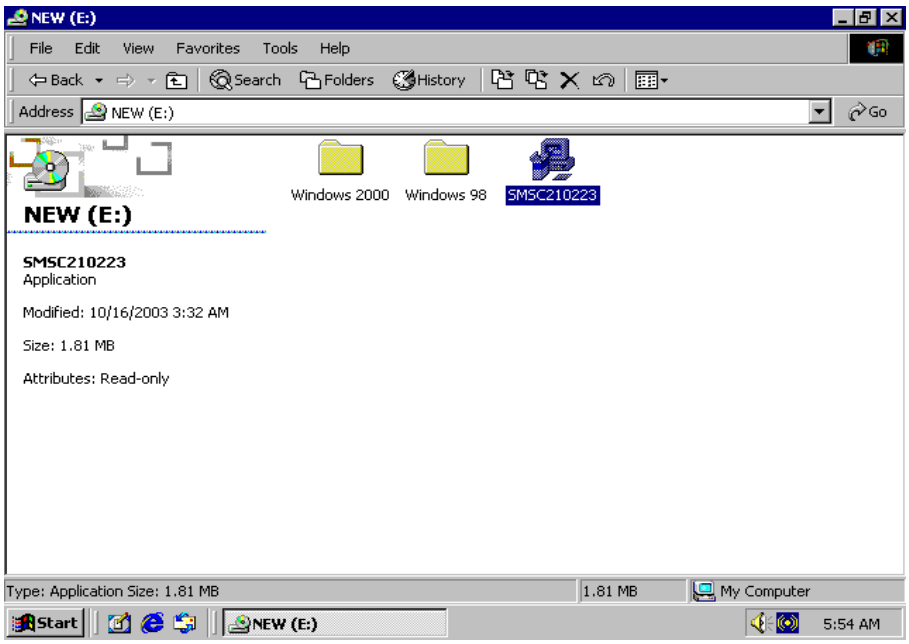
Install Driver and UI Icon

This UI Icon support in OS Windows 98SE and Windows 2000.

Step1：Double Click *"My Computer"* and Double Click the CD-ROM icon.

Step2：Double Click the folder for *"Driver \windows*

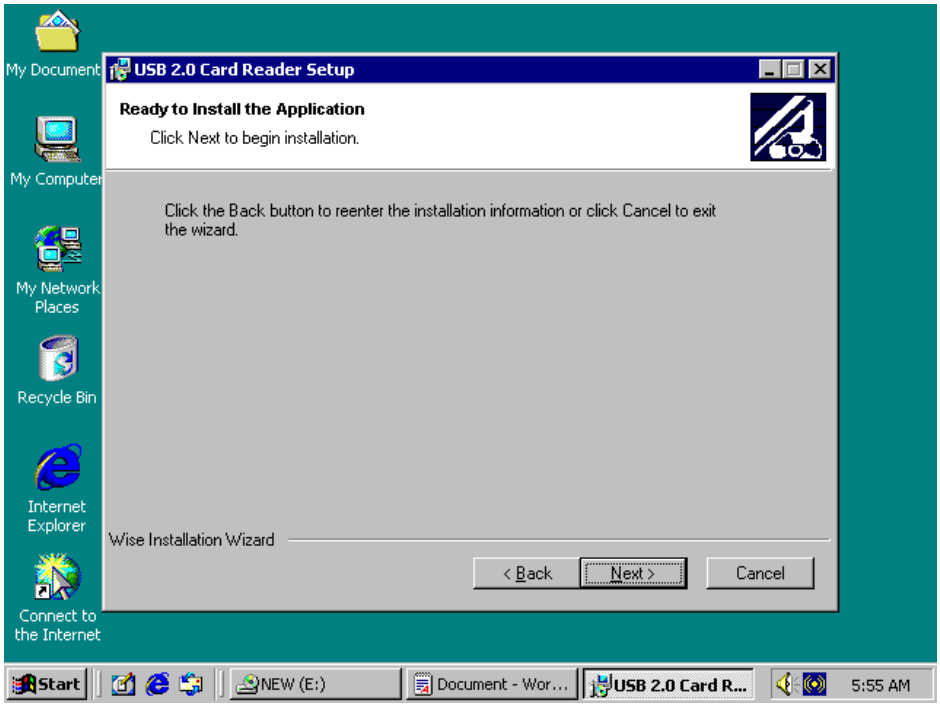
Step3：Double Click *"SMSC210223.exe"*, you will see a picture as the following as below view:



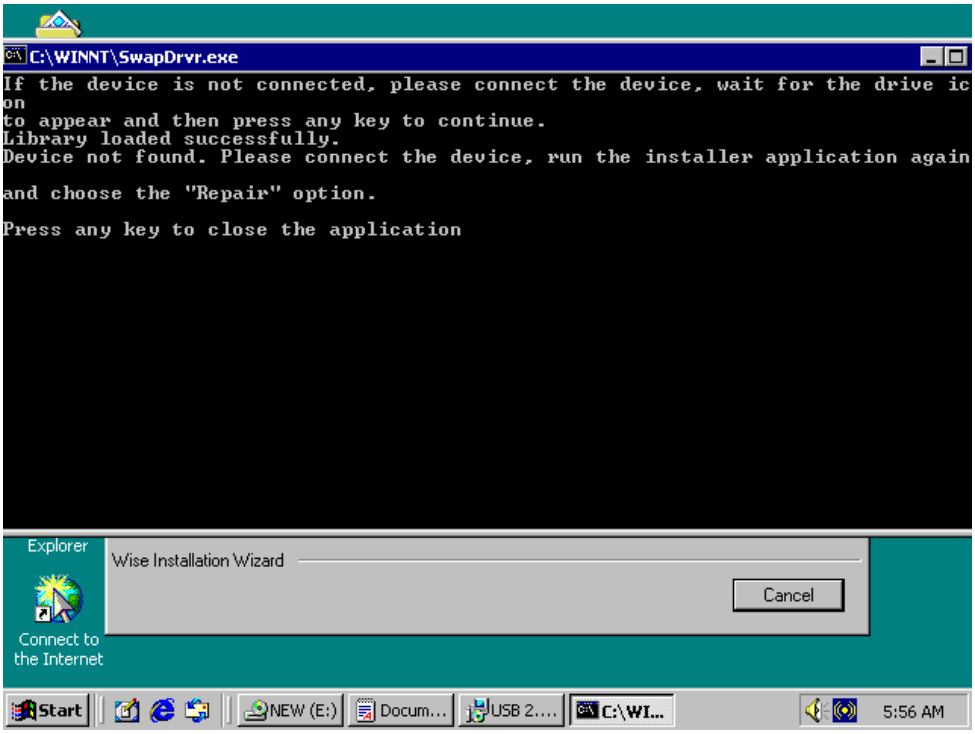
Step4：Choose click *"Next"*.

USB 2.0 Card Reader Setup
Welcome to the USB 2.0 Card Reader Installation Wizard
It is strongly recommended that you exit all Windows programs before running this setup program.
Click Cancel to quit the setup program, then close any programs you have running. Click Next to continue the installation.
WARNING: This program is protected by copyright law and international treaties.
Unauthorized reproduction or distribution of this program, or any portion of it, may result in severe civil and criminal penalties, and will be prosecuted to the maximum extent possible under law.
< Back
Next >
Cancel
Type: Application Size: 1.81 MB
1.81 MB
My Computer
Start
NEW (E:)
Document - Wor...
USB 2.0 Card R...
5:55 AM

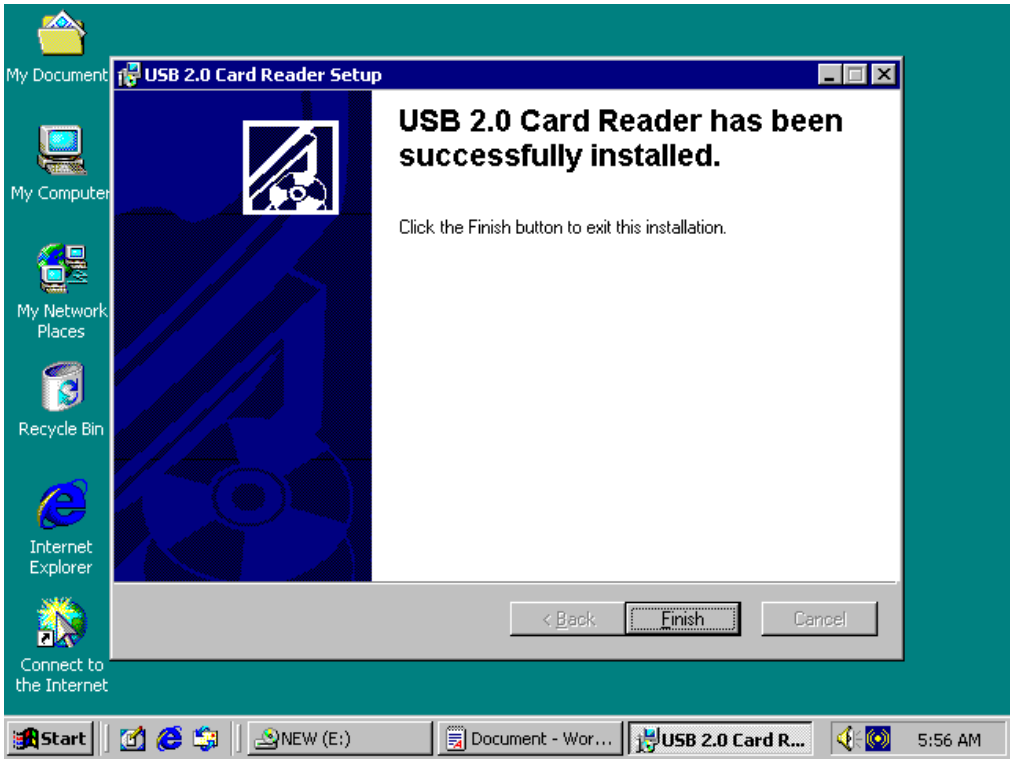
Step5：Choose click *“Next”*.



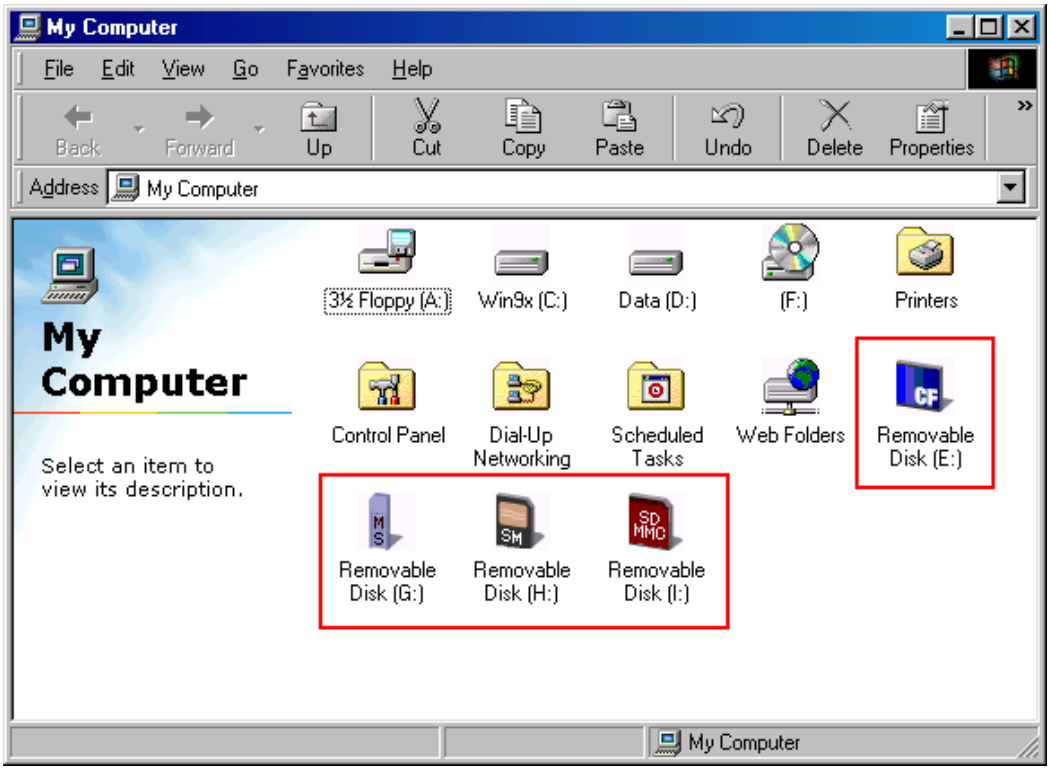
Step6：Choose click *“Enter” until to leave this picture*



Step7：Choose click *“Finish”*.



Step8：Plug in the card reader, You will see 4 new icons when you double click *“My Computer”* after your PC restarted. Compact Flash (CF), Memory Stick (MS), Secure Digital (SD), Smart Media (SM), Multimedia Card and IBM Microdrive.



Windows ME and Windows XP

You do not need to install any driver if your computer's O/S is Windows ME or Windows XP since the two OS come with the supporting driver. Turn On your computer, system will auto detect board and attempt load driver. You will see 4 new icons in your File Manager of your computer. Now you can start to use the Card Reader/Writer.

You can see 4 color icon when you install "*SMSC210223.exe".* And your computer's O/S is Windows ME or Windows XP+SP1 above.

Manual install guide:
Windows 98SE and Windows 2000

Step1：Insert the Installation CD into CD-ROM.

Step2：**To connect** from your **8 in 1 Card Reader to** USB Host.

Step3：Choose click "Next"

Add New Hardware Wizard
This wizard searches for new drivers for:
USB 2 Flash Media Device
A device driver is a software program that makes a hardware device work.
< Back
Next >
Cancel

Step4：Choose click “Next”

Add New Hardware Wizard
What do you want Windows to do?
Search for the best driver for your device. (Recommended).
Display a list of all the drivers in a specific location, so you can select the driver you want.
< Back
Next >
Cancel

Step5：Choose click “Next”

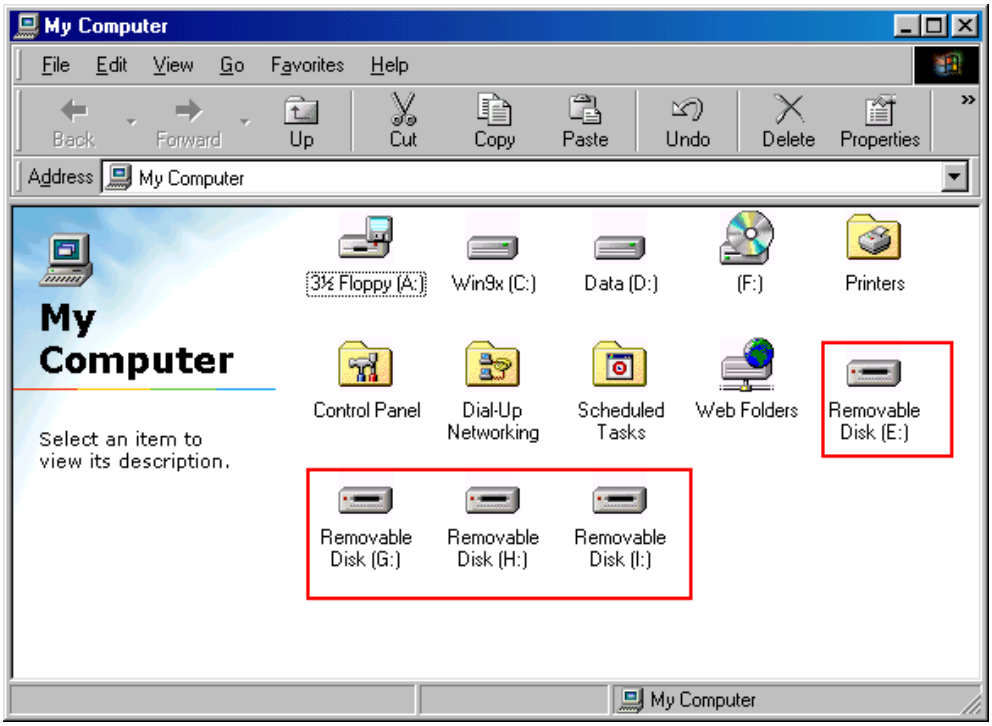
Add New Hardware Wizard
Windows will search for new drivers in its driver database on your hard drive, and in any of the following selected locations. Click Next to start the search.
Floppy disk drives
CD-ROM drive
Microsoft Windows Update
Specify a location:
D:\Driver\Windows 98
Browse...
< Back
Next >
Cancel

Step6：Choose click “Next”

Add New Hardware Wizard
Windows driver file search for the device:
USB MSC Device
Windows is now ready to install the best driver for this device. Click Back to select a different driver, or click Next to continue.
Location of driver:
D:\DRIVER\WINDOW~2\USBATAP1.INF
< Back
Next >
Cancel

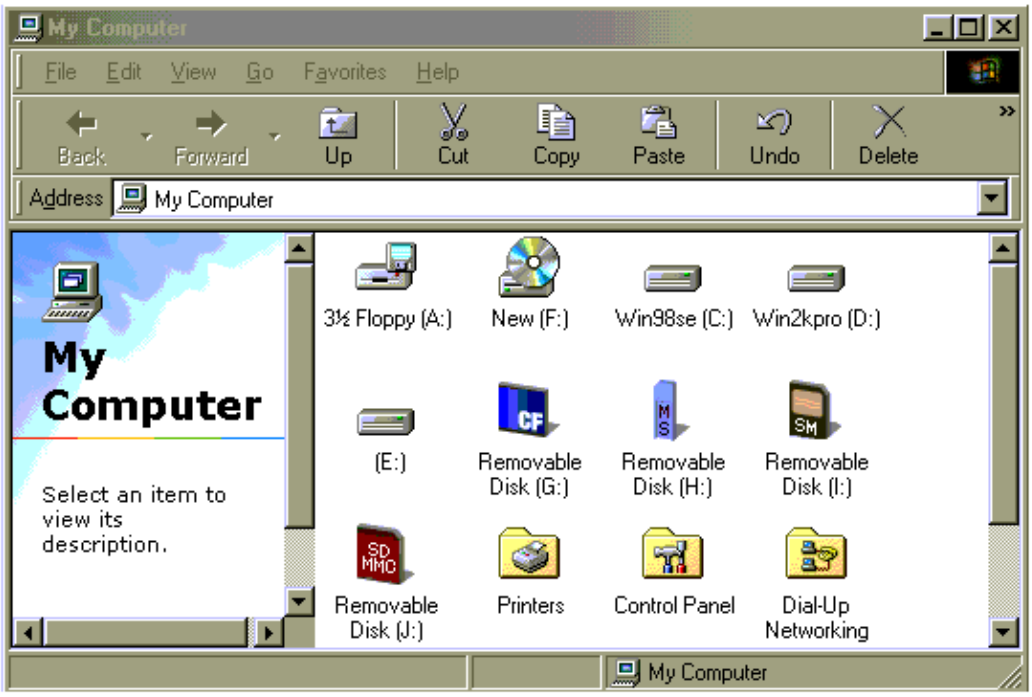
Step7：Choose click “Finish”

Step8：You will see 4 new icons when you double click *“My Computer”* after your PC restarted. Compact Flash (CF), Memory Stick (MS), Secure Digital (SD), Smart Media (SM), Multimedia Card and IBM Microdrive.



Install Driver and UI Icon

Choose the file name “SMSC210223.exe”, follow the steps, you will see 4 color icons.



Mac OS

Mac 8.6 ~ 9.2:

If your MAC O.S is 8.6 ~ 9.2, please follow the steps:

Step1：Insert the CD into the CD-ROM. (Please don't plug the Reader into the USB host before completing the driver installation)

Step2：Open the "Mac" folder then open the "Driver" folder then copy the "210+223 MacOS 8-9.Sit.Zip" file to your Mac HDD.

Step3：Double click "210+223 MacOS 8-9.Sit.Zip" to unzipping.

Step4：Choose click "SMSC Installer", the driver will be installed automatically, please follow the instructions.

Step5：After you complete the driver, please re-start the computer.

Step6：After the computer is start, please plug the Card Reader/Writer into the USB host.

When you insert a Flash Card, you will see an "untitled" HDD icon in the desktop. When you insert 2 Flash Cards, you will see 2 "untitled" HDD icons. When you insert 3 Flash Cards, you will see 3 "untitled" HDD icons.

Mac 10.1.2 or above:

If your MAC O/S is 10.1.2 or above, you don't need to install any driver. Please just plug the reader into the USB port then you can start to use the Flash Card Reader/Writer.

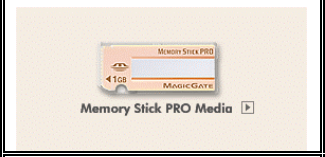
Appendix

Memory cards view :

CF Removable Disk (F:) Compact Flash (CF)	IBM Micro Drive	SD MMC Removable Disk (H:) Multi Media Card(MMC)	Secure Digital (SD)

Sony Memory Stick card / MS-PRO

Smart Media (SM) / XD



SM
Removable Disk (I:)

V1.2 SMSC F382-S